SERIAL NO: 09/466,987 FILED: 12/10/99 Moser, Patterson & Sheridan, LLP; E.J. Wall (732)530-9404 ATTORNEY DOCKET NO: SEDN/246DIV1 1/48 SERVICE PROVIDER EQUIPMENT (SPE) -116 112 -122 **AUDIO** SOURCE **ENCODING DIGITAL AND VIDEO** 10 -114 **MULTIPLEXING MODULATOR** UNIT **VIDEO** SOURCE -102 104 **DISTRIBUTION NETWORK** 106<sub>n</sub> 1062 106, SE SE SUBSCRIBER **EQUIPMENT** (SE) -124 **RECEIVER** -126 106-**DISPLAY** -100

FIG. 1.

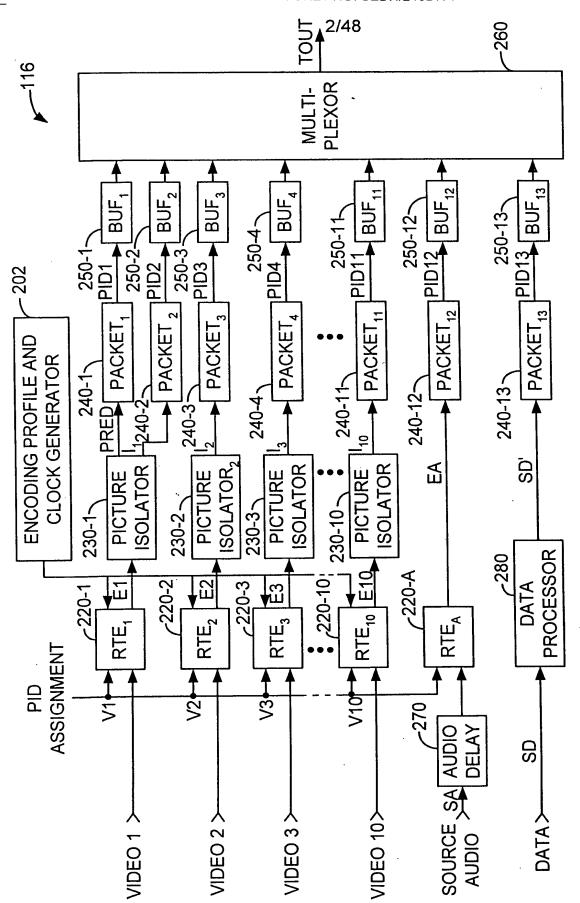


FIG. 2

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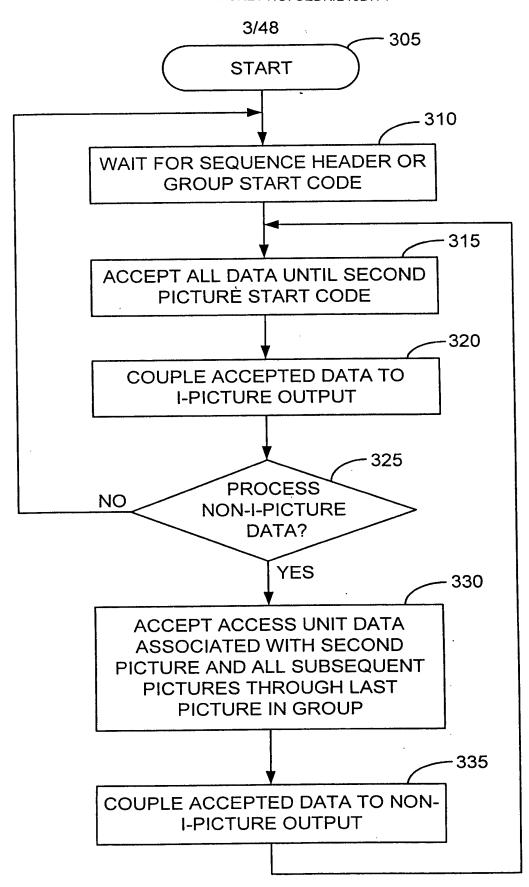
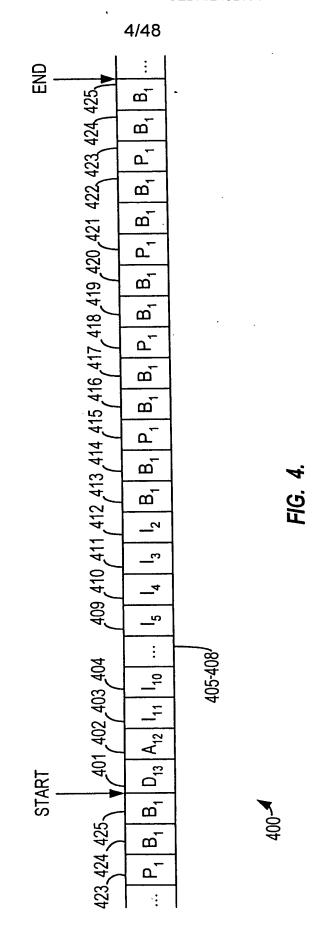


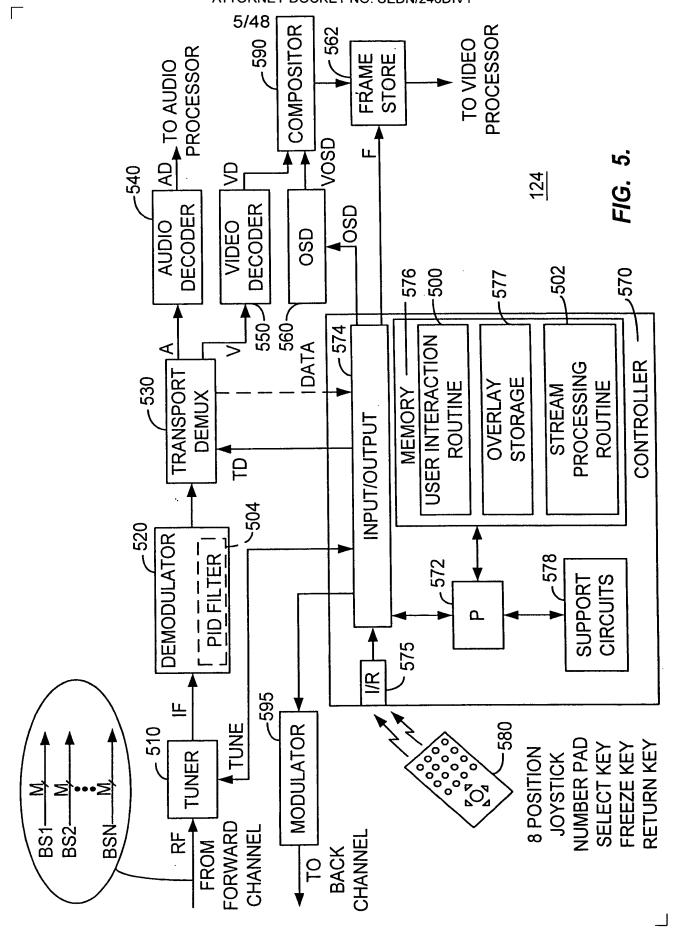
FIG. 3.



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ATTORNEY DOCKET NO: SEDN/246DIV1



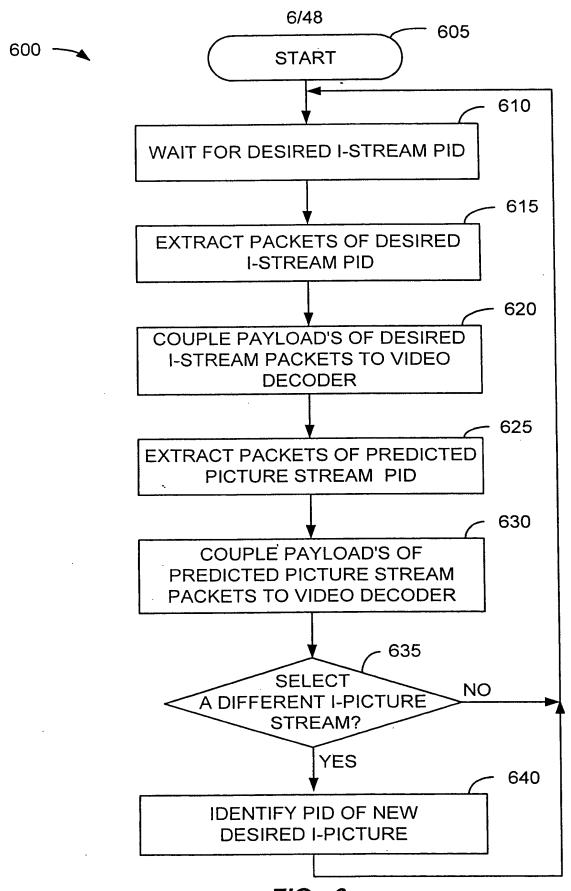
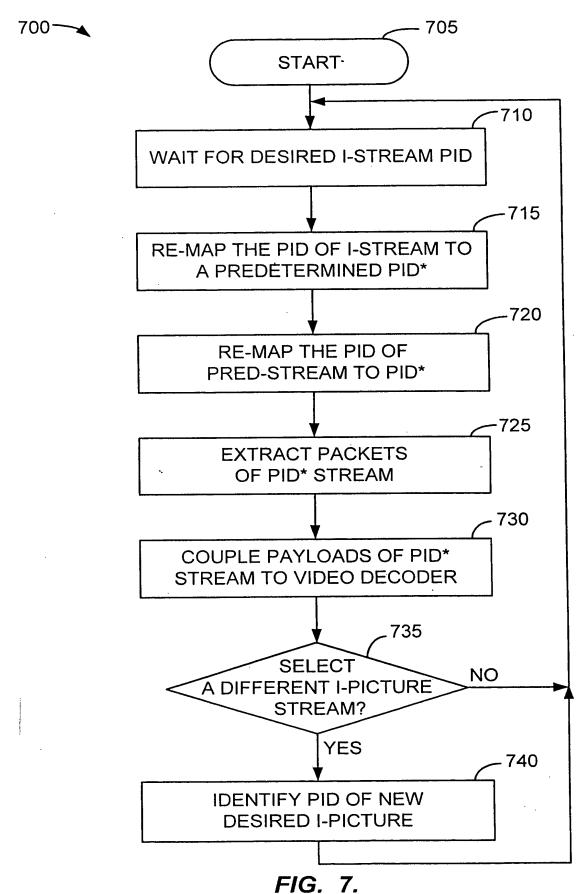
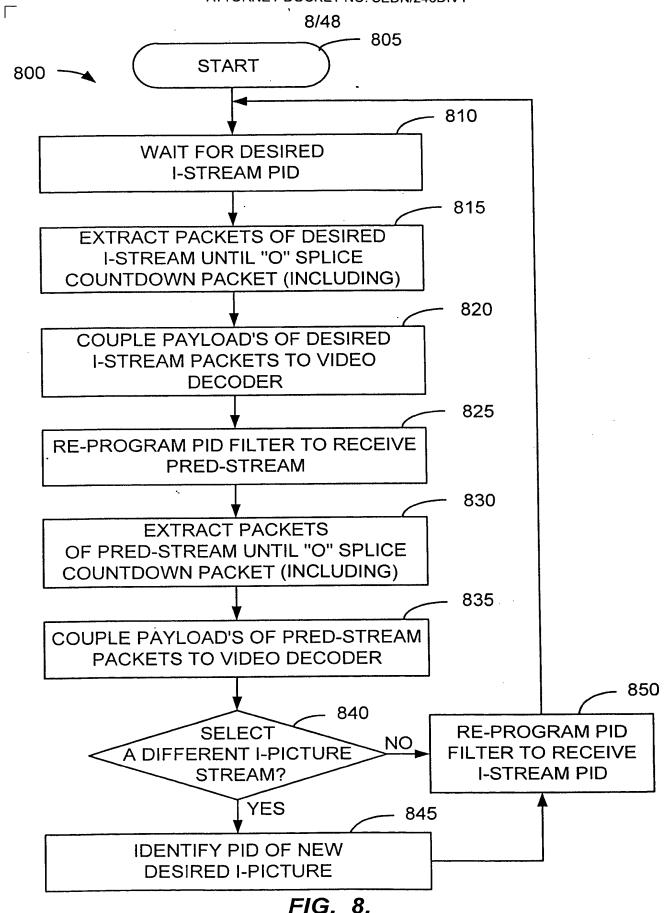
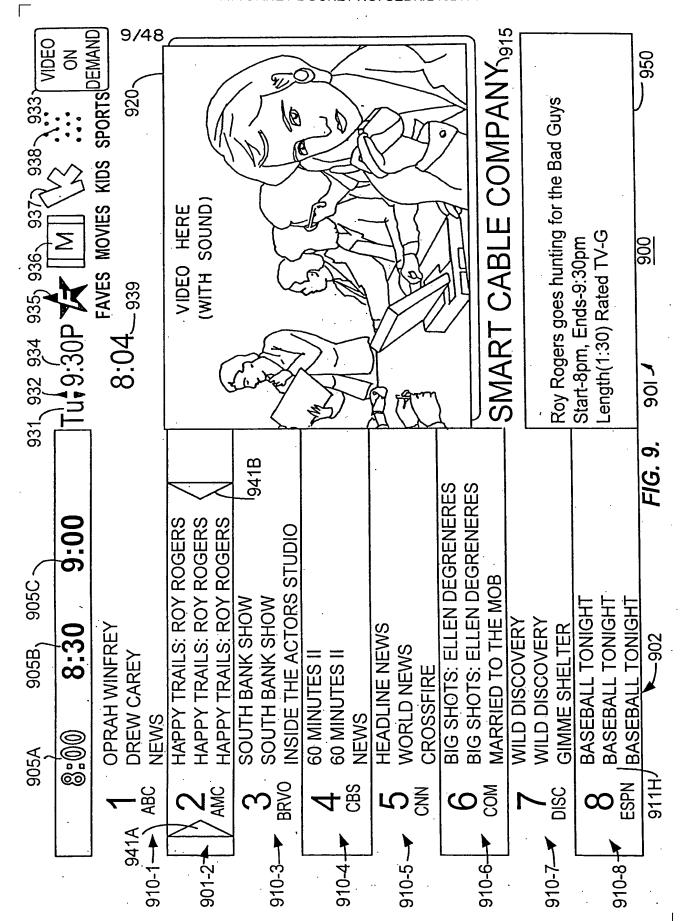


FIG. 6.









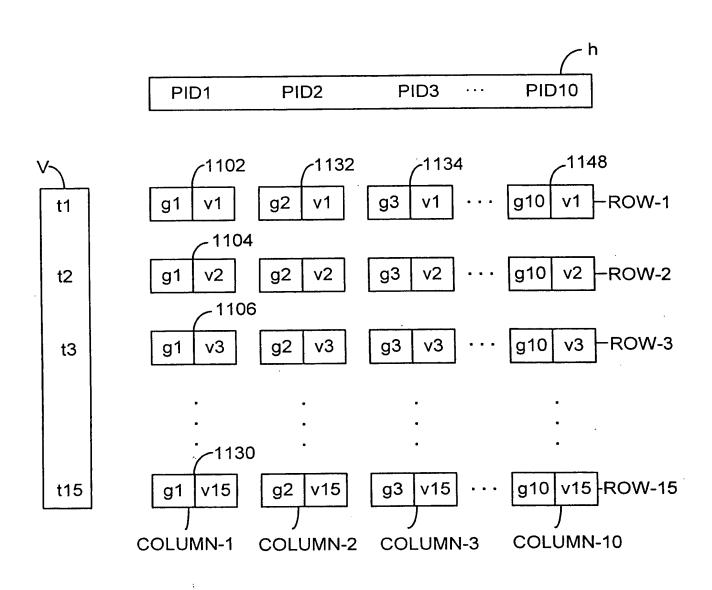
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SLICE 1 (g/s1)	SLICE 1 (v/s1)
SLICE 2 (g/s2)	SLICE 2 (v/s2)
_	_
	•
•	•
SLICE N (g/sN)	SLICE N (v/sN)
902 🗲	901-

FIG. 9A.

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0 10:00 10:30	DHARMA & GREG	IT'S LIKE YOU KNOW NFWS	PATTON	PATTON	PALION	ROSA LUXENBERG	ROSA LUXEMBERG	ROSA LUXEMBERG	PAYNE ROYAL	NANNY	60 MINUTES II	SPORTS TONIGHT	MONEY LINE	LARRY KING LIVE	3	SINBAD: BRAIN DAMAGE	COMICS COME HOME	DISCOVERY MAGAZINE	SCIENCE OF MAGIC	SCIENCE OF MAGIC	SPORTS CENTER	SPORTS CENTER	BASEBALL IONIGHI	1002
08:30	~	<b>A</b> BC	<b>C</b>	NA C	SIMIC	C	) S	2	_	4	CBS	L	O.	CNN	C	0	WOO .	7		DISC	0		ב ק	

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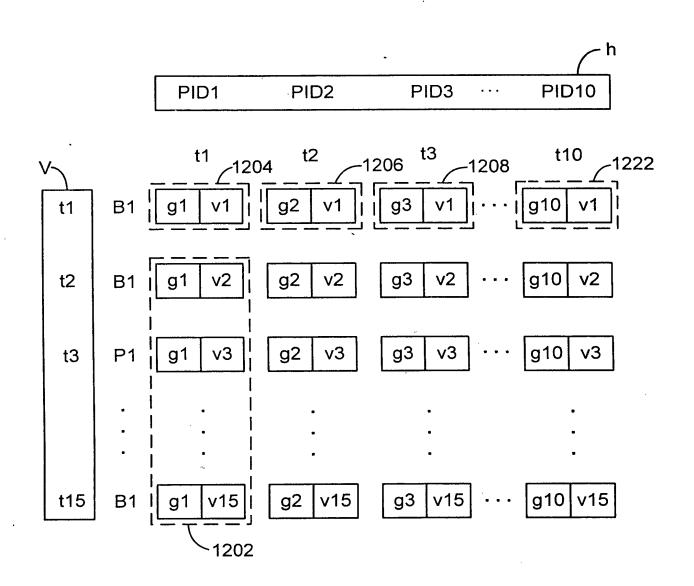


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FIG. 11.

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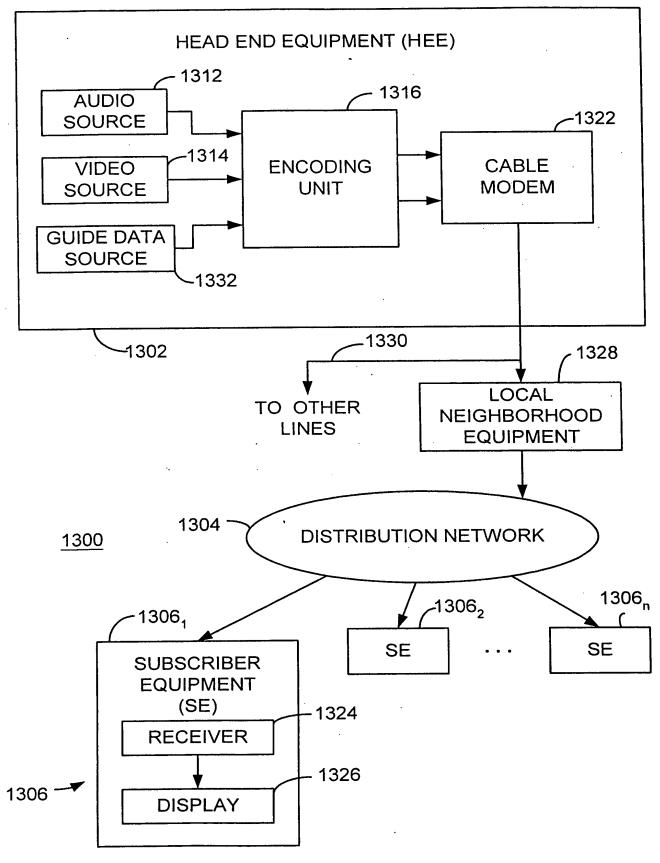


FIG. 13.

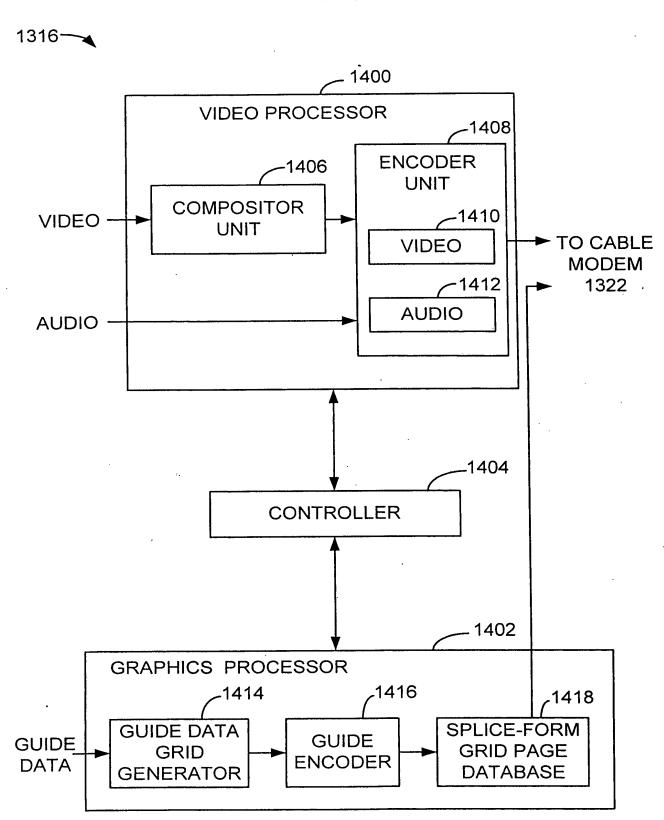


FIG. 14.

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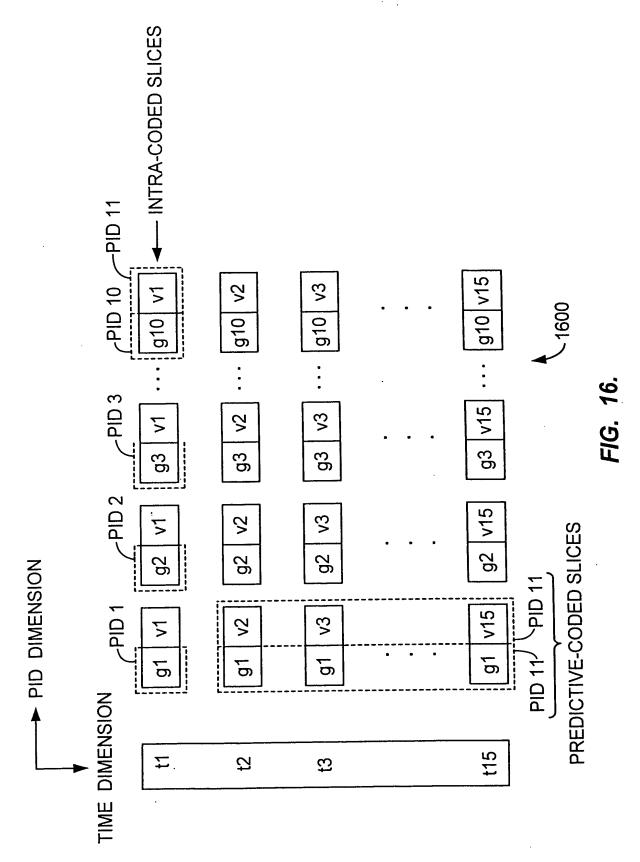
1504 1502 1500 -1302 SLICE **CABLE FROM MULTIPLEXER COMBINER MODEM** HEE -1506 DIGITAL **VIDEO** MODULATOR 1304

1328

FIG. 15.

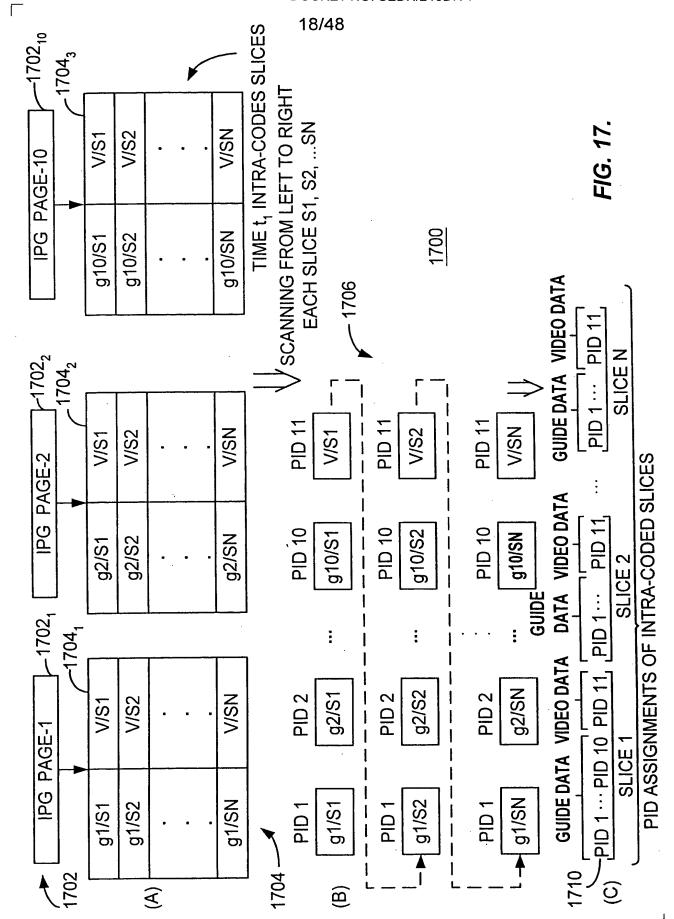
DISTRIBUTION NETWORK

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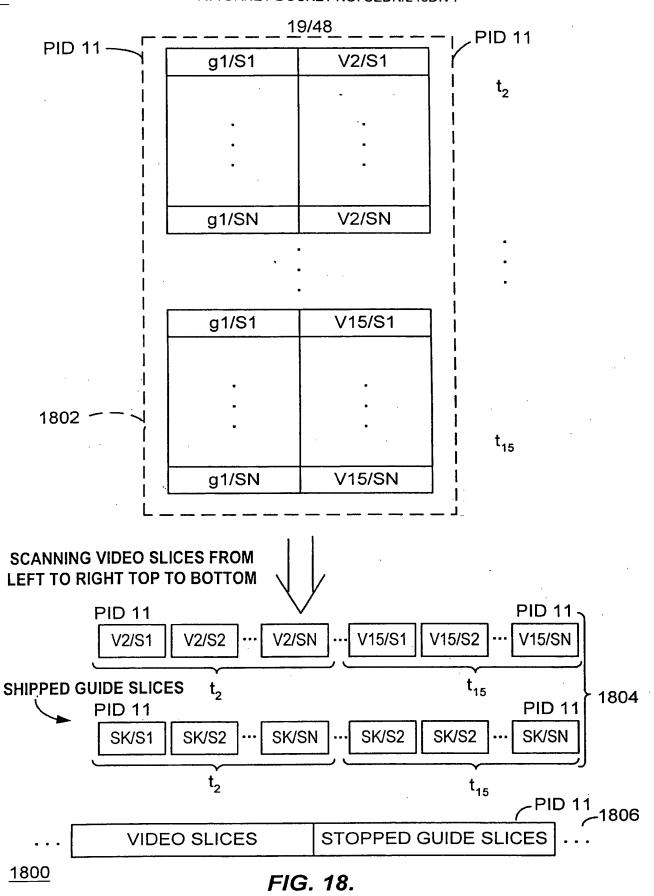


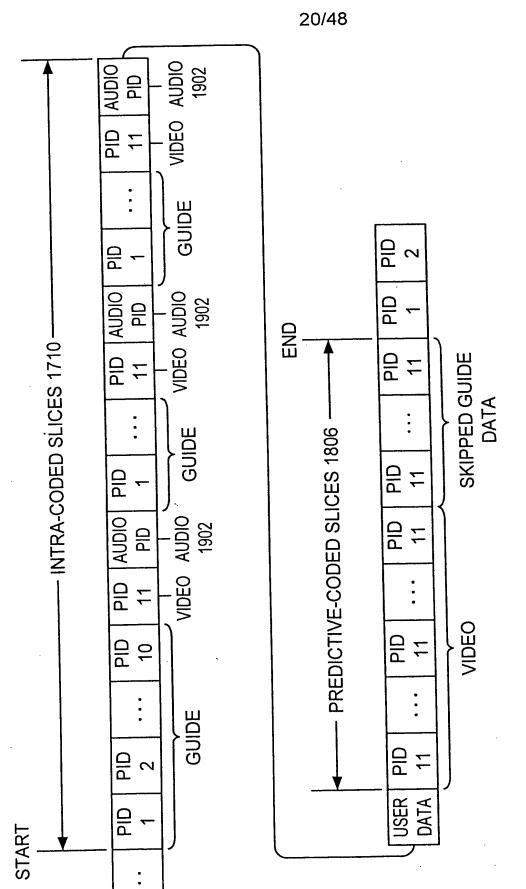
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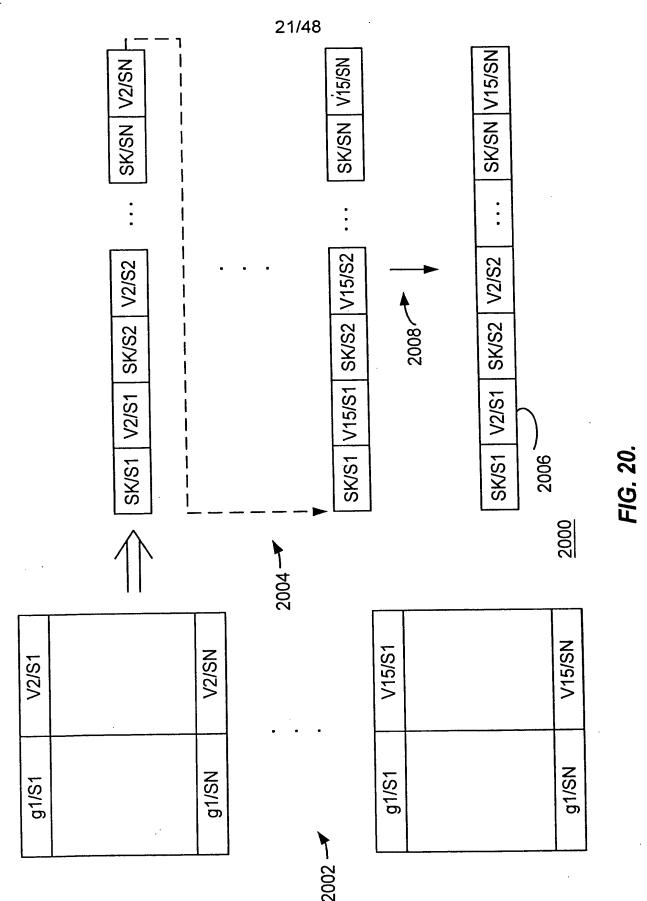


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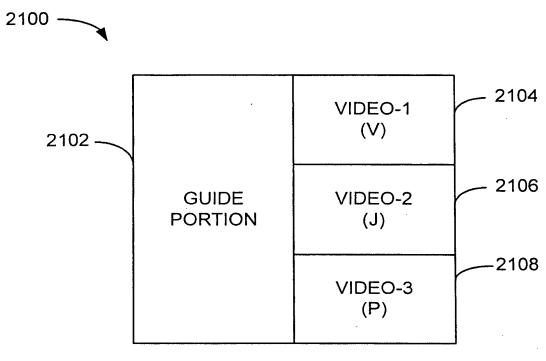


FIG. 21A.

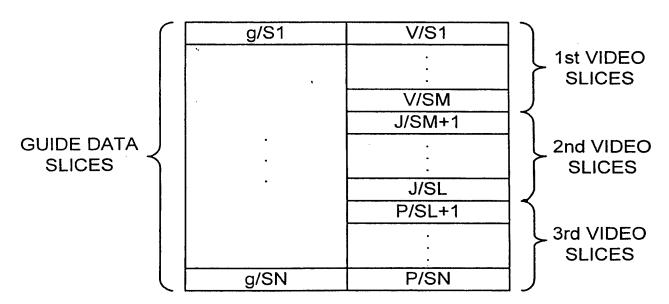


FIG. 21B.

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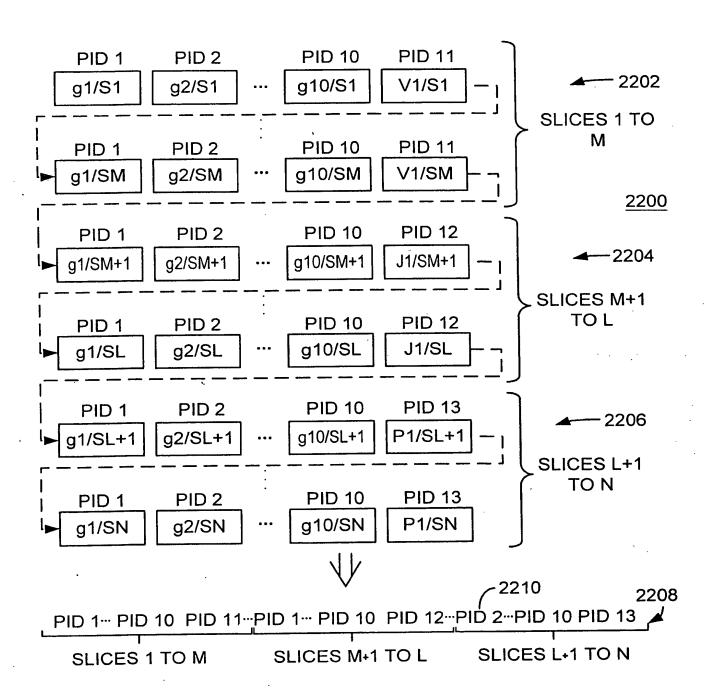
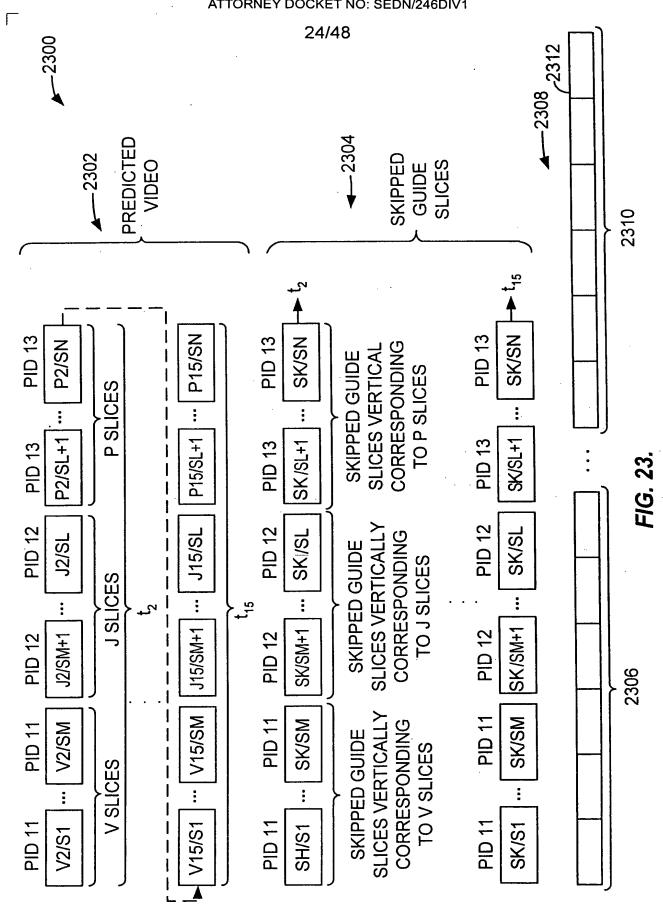
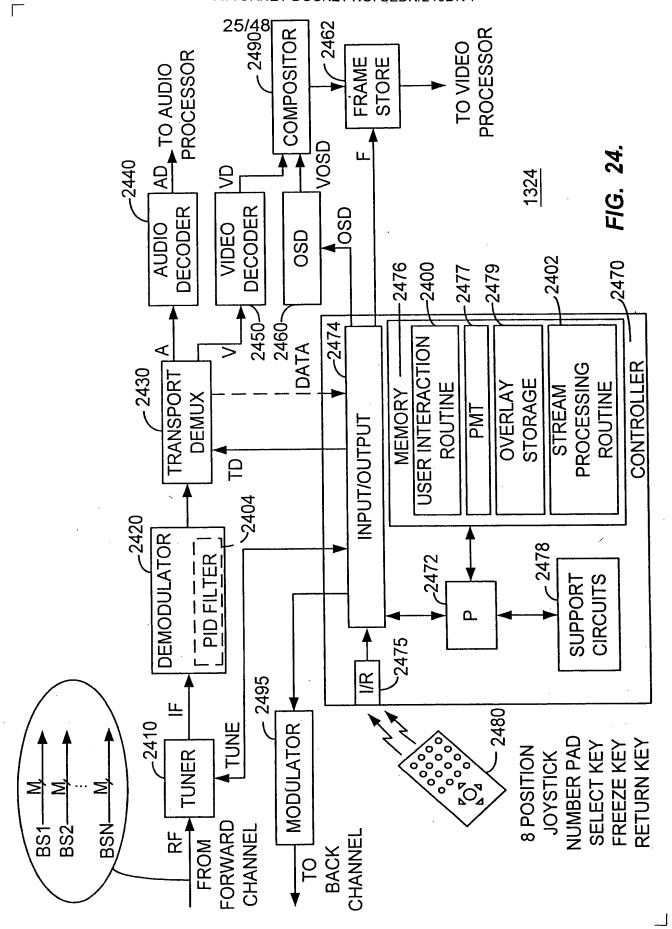
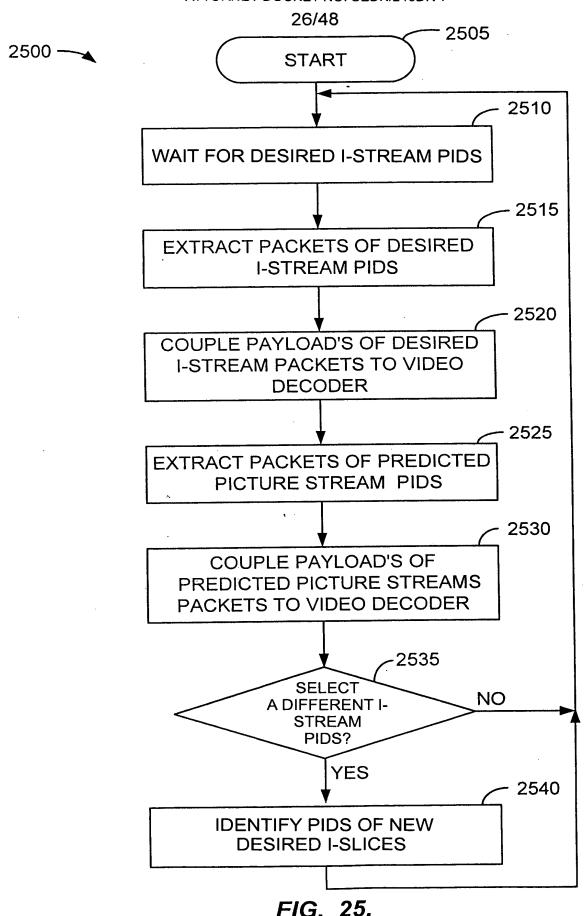


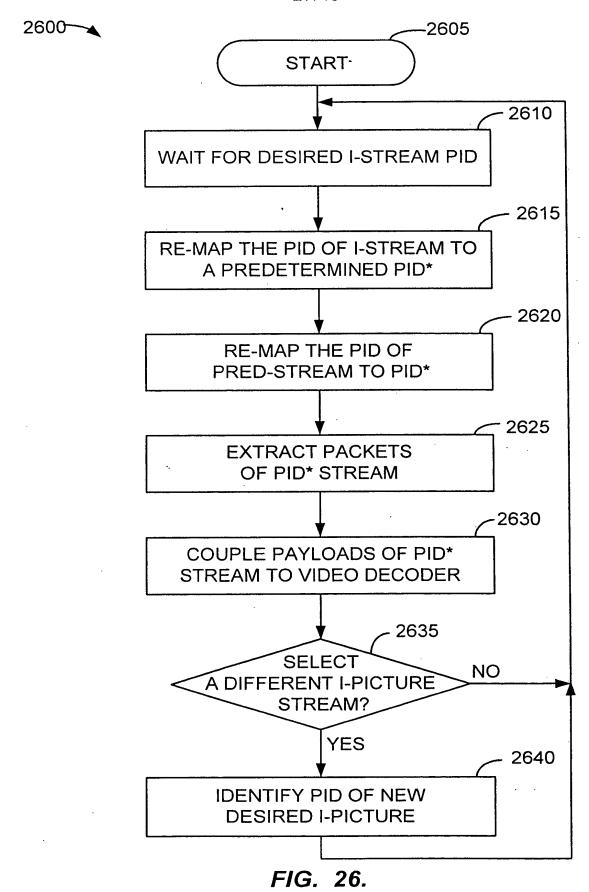
FIG. 22.

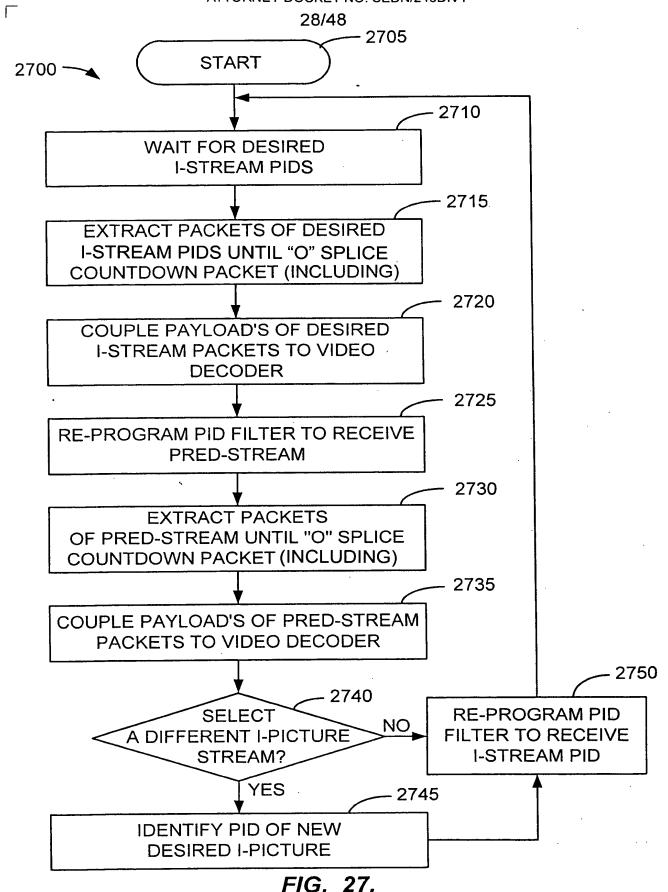






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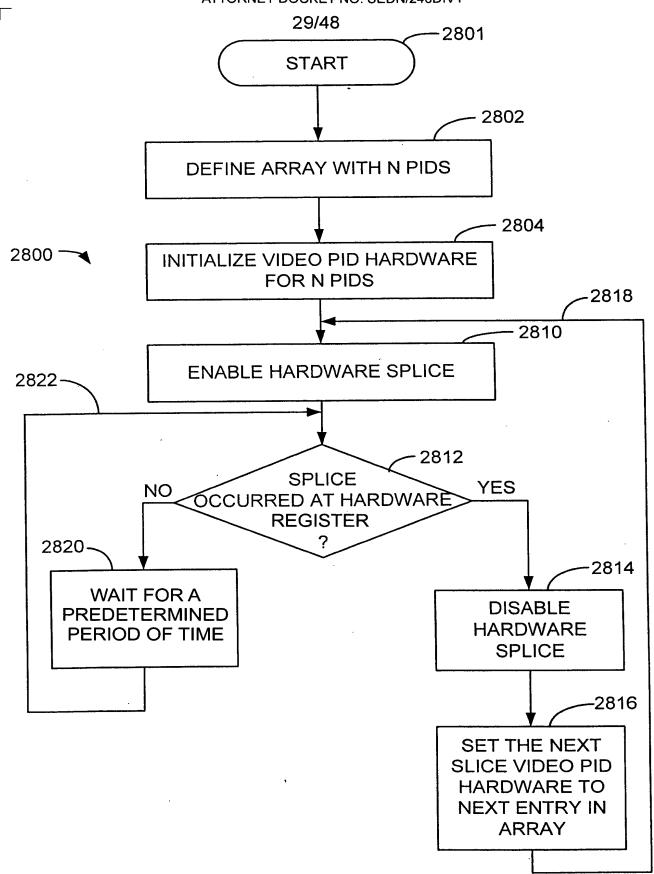


FIG. 28.

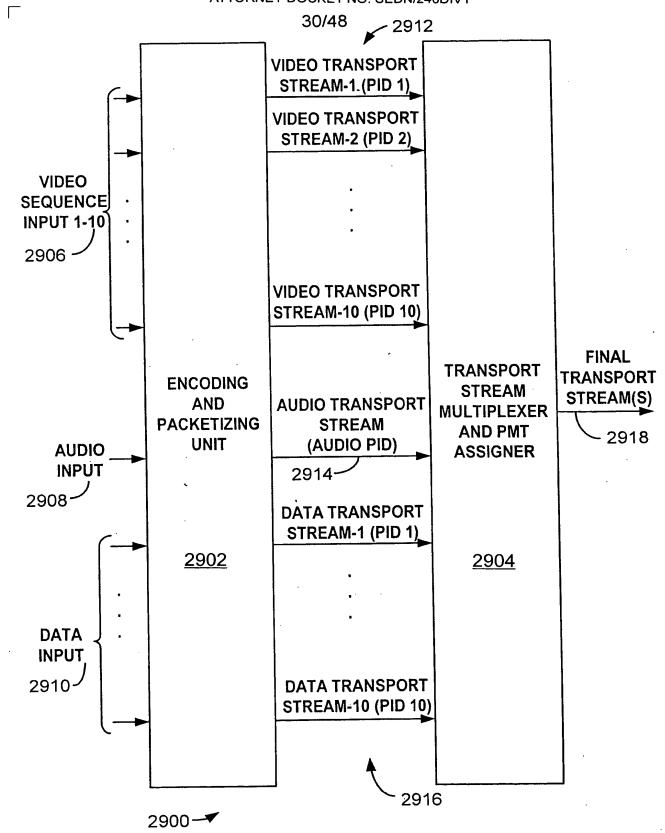
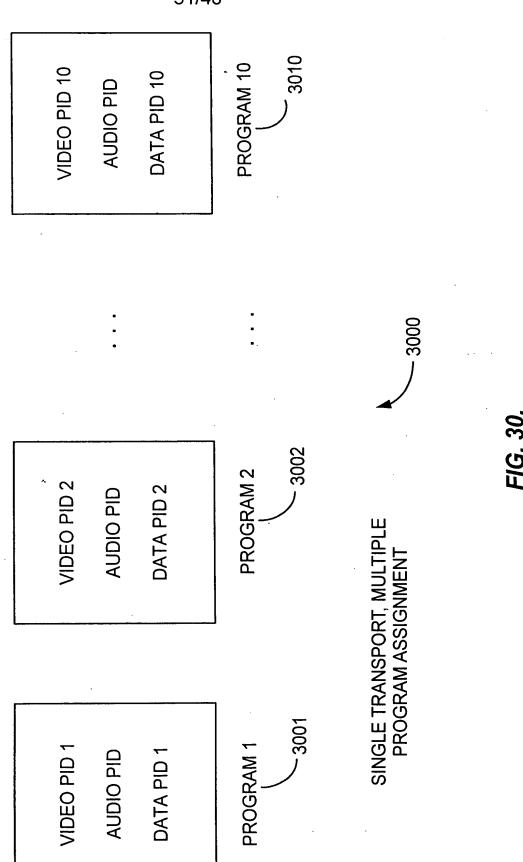


FIG. 29.

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VIDEO PID 1 VIDEO PID 2

VIDEO PID 10

**AUDIO PID** 

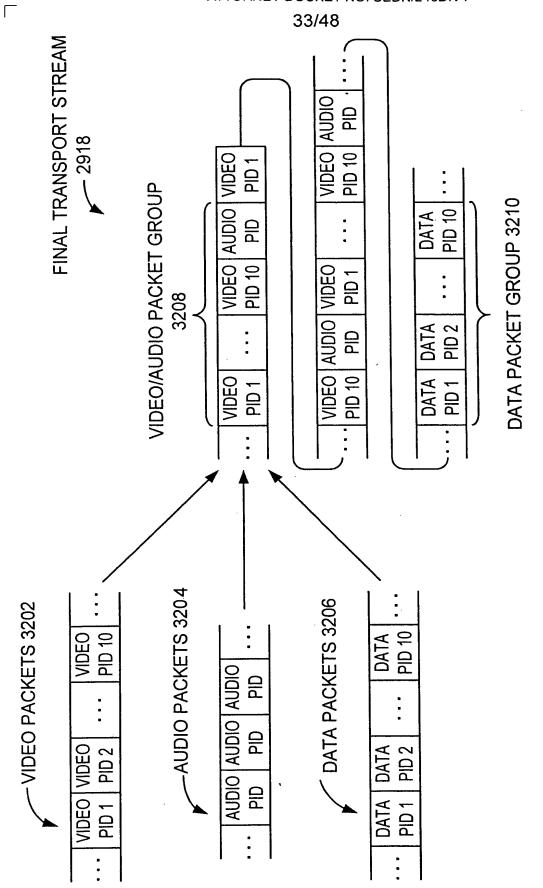
DATA PID 1 DATA PID 2

DATA PID 10

### SINGLE TRANSPORT, SINGLE PROGRAM PROGRAM ASSIGNMENT



FIG. 31.



MULTIPLEXING INTO SINGLE TRANSPORT

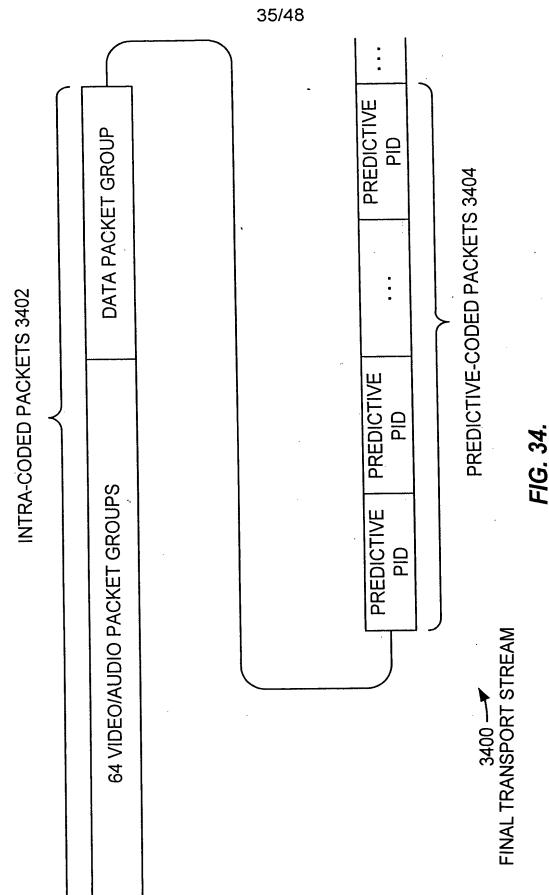
FIG. 32.

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TRANSPORT STREAM 3	VIDEO PID 7	VIDEO PID 8 VIDEO PID 9	VIDEO PID 10	AUDIO PID	DATA PID 7 DATA PID 8 DATA PID 9 DATA PID 10					
-3304 FRANSPORT STREAM 2	PID 4	PID 5	PID 6	O PID	PID 4	PID 5	PID 6			
TRANSPORT	VIDEO PID 4	VIDEO PID 5	VIDEO PID 6	AUDIO PID	DATA PID 4	DATA PID 5	DATA PID 6			
302 .AM 1										
TRANSPORT STREAM	VIDEO PID 1	VIDEO PID 2	VIDEO PID 3	AUDIO PID	DATA PID 1	DATA PID 2	DATA PID 3			

MULTIPLE TRANSPORT ASSIGNMENT STRUCTURE

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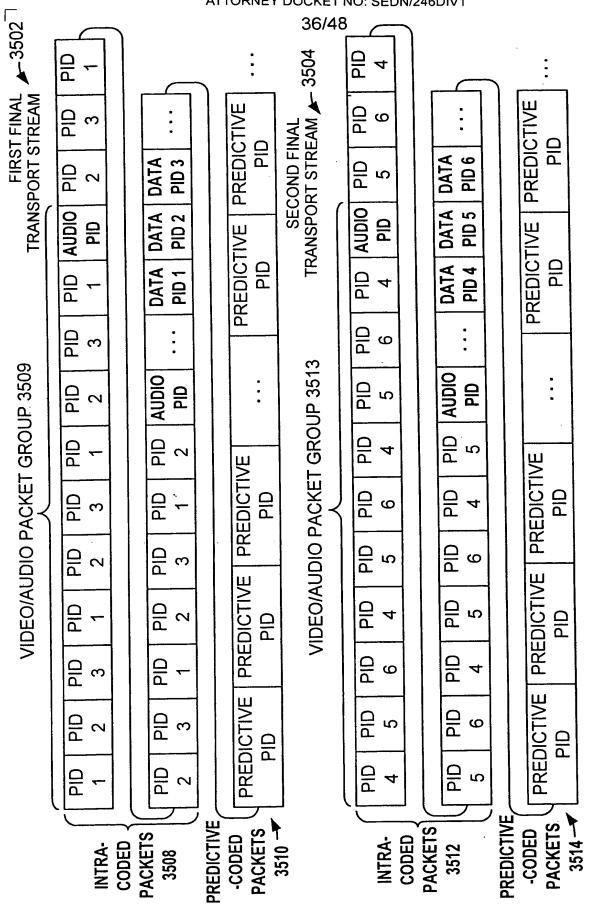
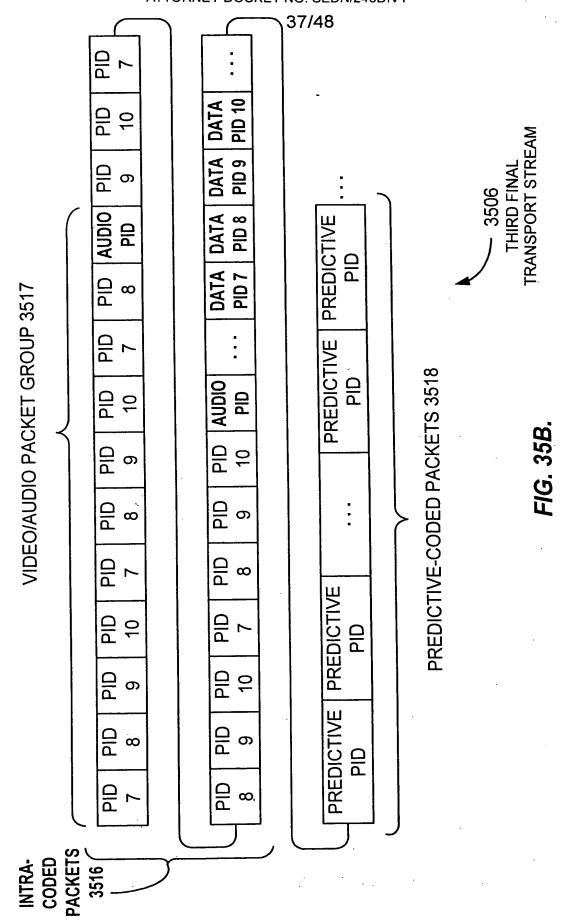


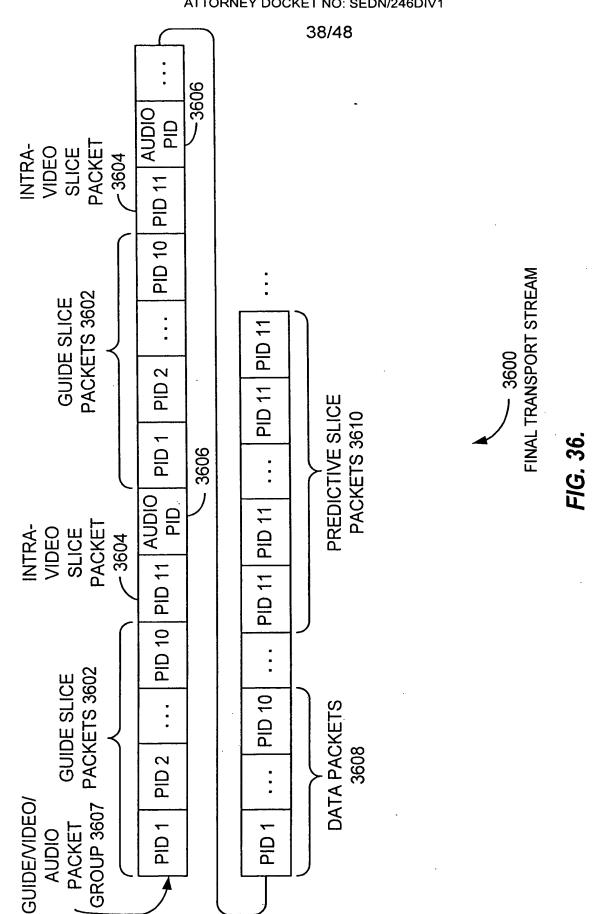
FIG. 35A.

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ATTORNEY DOCKET NO: SEDN/246DIV1



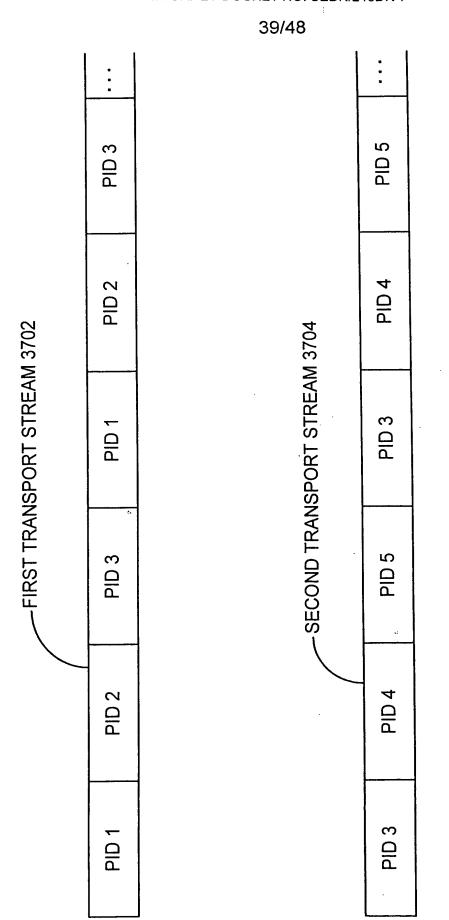
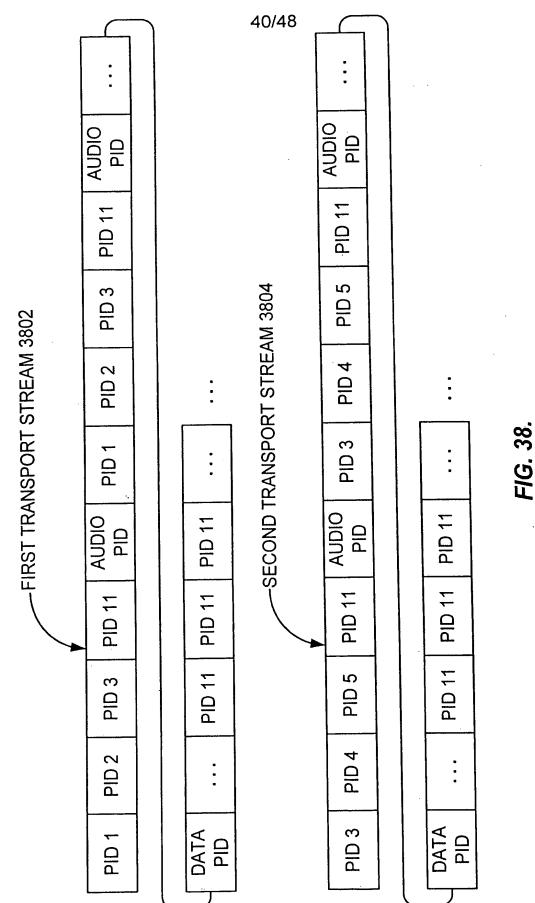
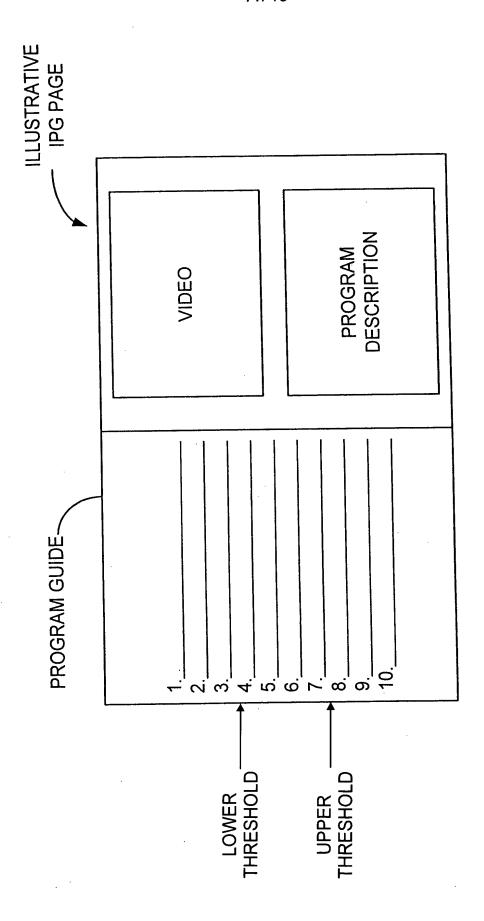


FIG. 37

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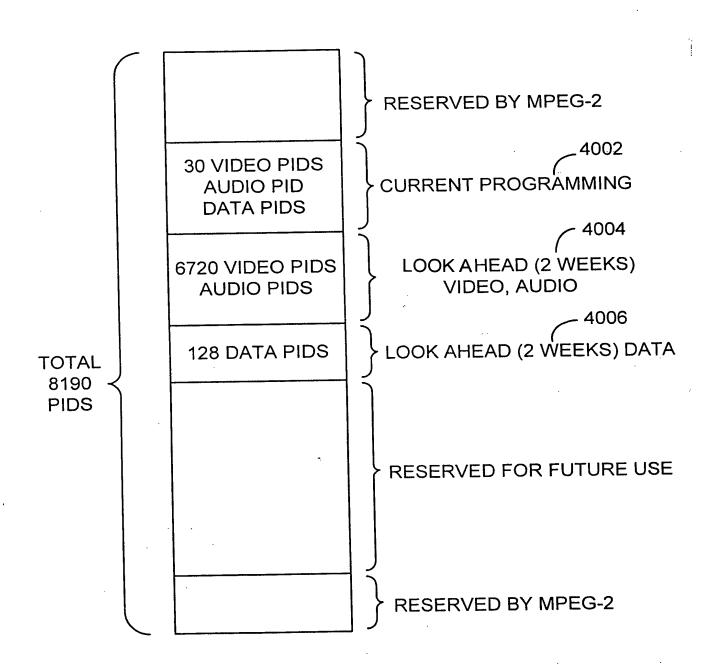
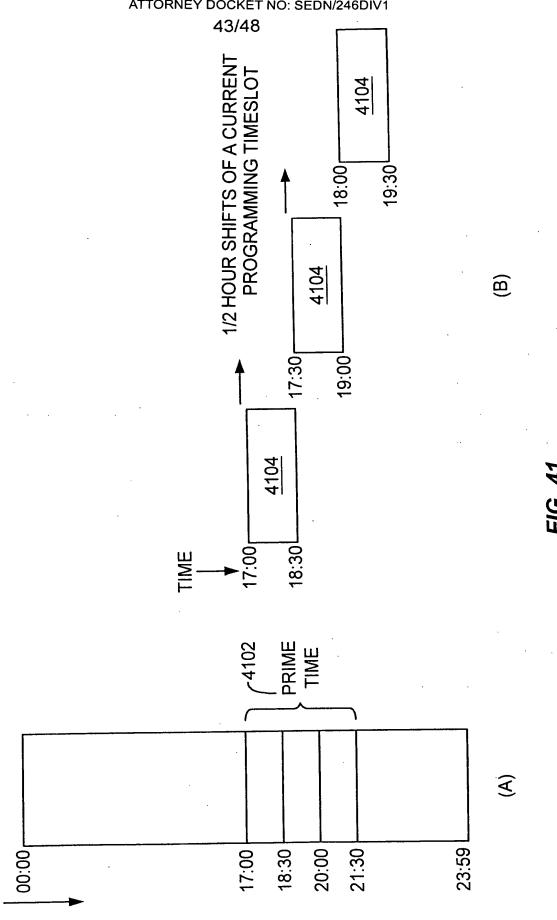


FIG. 40.

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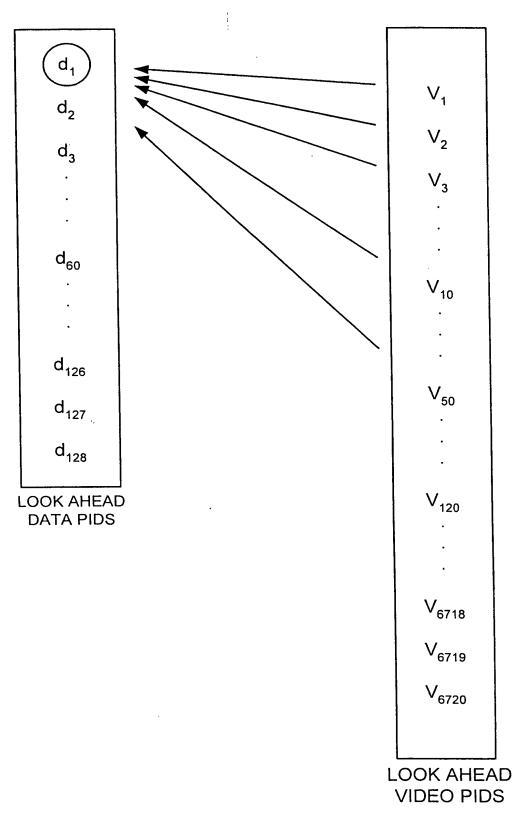


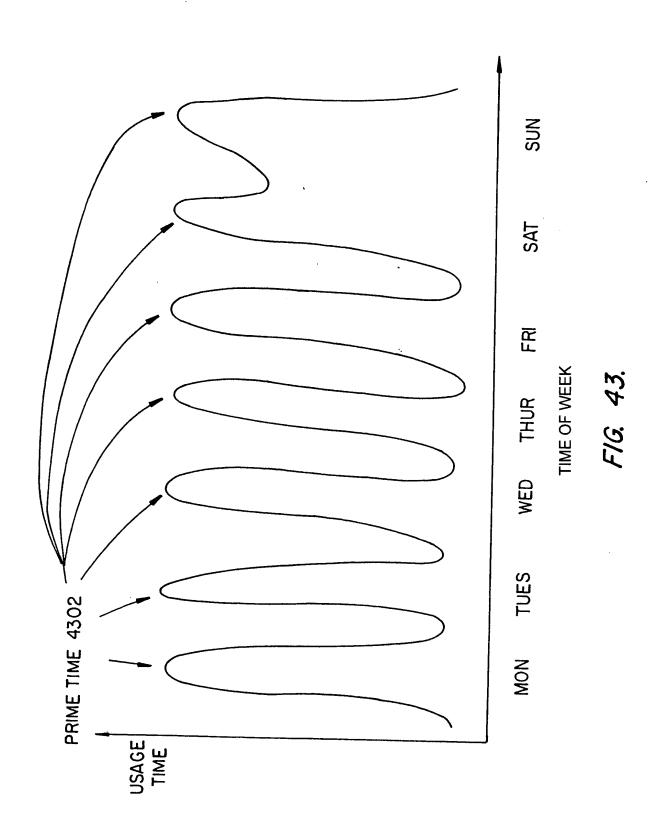
FIG. 42.

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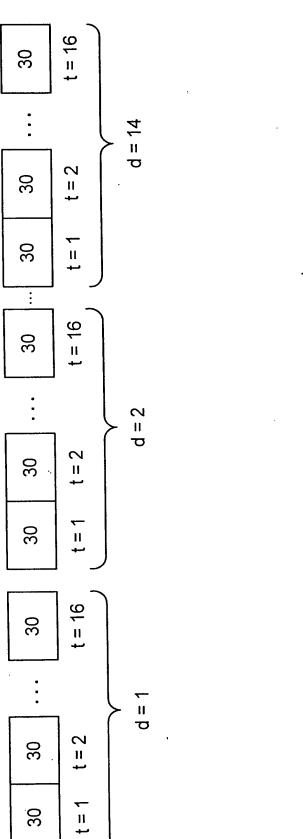
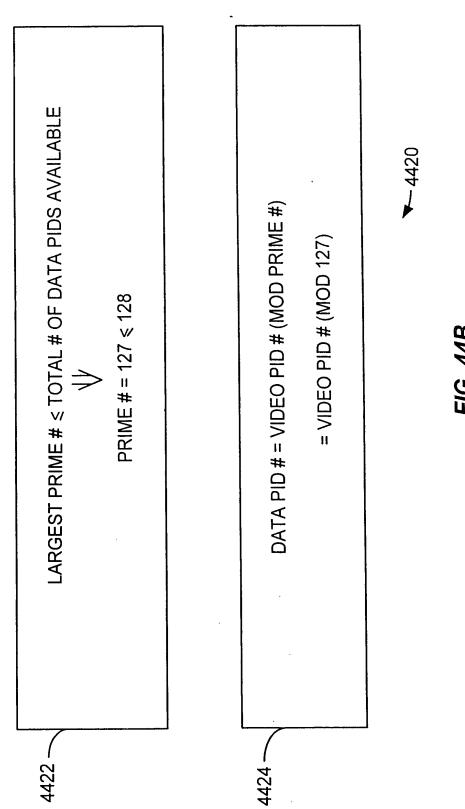


FIG. 44A.

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			•
DATA PID 1	DATA PID 2	DA	ATA PID 127

d = NON-PRIMETIME DATA MESSAGE

D = PRIMETIME DATA MESSAGE

FIG. 44C.